

Claim Amendments

1. (amended) A flax seed having a linolenic acid content of greater than ~~65~~70% of the total fatty acid content of said seed.

2. (amended) The flax seed of claim 1 wherein the linolenic acid content is ~~greater than~~ between 70%-80%.

3. (amended) A flax seed that is the product of a plant line designated M5791, wherein the linolenic acid content of said flax seed is greater than 70%.

4. (amended) A flax plant which produces seeds having a linolenic acid content of greater than ~~65~~70% of the total fatty acid content of said seed.

5. (amended) The flax plant of claim 4 wherein the linolenic acid content is ~~greater than~~ between 70%-80%.

6. (amended) A flax plant designated M5791, wherein the linolenic acid content of said flax seed is greater than 70%.

7. (amended) Progeny of a flax plant designated M5791, wherein said progeny produce seeds having a linolenic acid content of greater than ~~65~~70% of the total fatty acid content of said seed.

8. (amended) The progeny according to claim 7 wherein the linolenic acid content is ~~greater than~~ between 70%-80%.

9. (amended) Seeds from the flax plants of any one of claims 4, 5, 6, 7 or 8.

13. (amended) A method of producing a flax plant line comprising the steps of:

(a) crossing a plant of a flax plant line designated M5791, wherein the linolenic acid content of said flax seed is greater than 70%., or progeny thereof, with an agronomically elite flax plant; and

(b) selecting at least one descendant of said cross, said descendant producing